

## PRODUCT ANNOUNCEMENT

**Spring 2008...** Paramount introduces PX910<sup>®</sup> the first in a series of its ePAC<sup>™</sup> family of SLS engineered rapid manufacturing solutions. PX910 has improved mechanical strengths over standard laser sintered polyamides, both reinforced and non-reinforced. Customer applications using PX910 were benchmarked beginning in May 2007. PX910 made its maiden voyage on several UAS programs in the fall of 2007. As production ramp-ups on these and other programs our customers continue to find new applications.

### Proven Benefits:

- PX910 was developed to answer the growing need for SLS parts being deployed undersea where salt water and harsh underwater environments were taking their toll on the most robust of polymer materials. Sintered parts are naturally porous. PX910 is a resin system, when applied to PA or PAGF parts using Paramount's proprietary process forms a robust composite part. Application of PX910 increases the material's density plus prevents hydrophobic penetration of salt water. Standard polyamides are chemically resistant to alkalines, hydrocarbons, fuels and solvents.
- Improved mechanical strengths in thin wall applications where light weight production parts, without loss to material strength, were needed. Examples are UAV (unmanned air vehicle systems) internal mounting brackets and fuselage parts.

PX910<sup>®</sup> is available in black or Navy grey. Custom coloring is available.

Paramount PDS offers a range of SLS materials engineered to meet an array of defense, aerospace, medical, industrial and consumer applications. Paramount offers a series of engineered **Rapid Manufacturing Solutions** under the brand name eRMS<sup>™</sup>. The initial line of eRMS<sup>™</sup> products have met the vigorous demands of military and aerospace hardware. Selective laser sintering has proven its sea, land and air worthiness in numerous case studies.

**To learn more about eRMS<sup>™</sup> and Paramount's laser sintering materials visit Paramount's SLS materials page on our web site...**